

WHAT IS CLAIMED IS:

1. A composite anchor comprising:
 - a first anchor bolt installed projecting outside of a concrete frame;
 - and a second anchor bolt which is eccentrically positioned to the axis of
 - 5 said first anchor bolt; and
 - a connecting part for connecting said first and the second anchor bolts,
 - wherein said connecting part is provided with projecting portion which
 - projects in the opposite direction to the first anchor bolt, thereby reducing the
 - bending moment which is exerted locally on the connecting part due to a load
 - 10 on said first anchor bolt.
2. A composite anchor bolt according to claim 1, wherein the planar configuration of said connecting part is made to be a polygonal or circular shape, thereby increasing the compressive force transfer area of said
- 15 projecting portion.
3. A composite anchor bolt according to claim 1, wherein said connecting part is formed to have top and bottom surfaces of a polygonal or circular shape, and said second anchor bolt is positioned at the center of the
- 20 connecting part.
4. A composite anchor bolt according to claim 1, wherein said connecting part has an injection hole for the adhesive and an air hole.

5. A composite anchor bolt according to claim 1, wherein both of said first anchor bolt and said second anchor bolt are formed with the same or different diameters.

5 6. A composite anchor bolt according to claim 1, wherein said second anchor bolt has a larger diameter than said first anchor bolt, and formed with a shorter length in the embedded concrete.

7. A composite anchor bolt comprising:
10 a first anchor bolt installed projecting outside of the concrete frame;
 a second anchor bolt which is eccentrically positioned to the axis of said first anchor bolt; and
 a connecting part for connecting said first and the second anchor bolts, wherein the center of said connecting part and the axis of the first
15 anchor bolt are coaxial, a planar configuration of said connecting part is formed in a polygonal or circular shape, and said second anchor bolt can be selectively positioned in a certain circumference.

8. A composite anchor bolt according to claim 7, wherein the planar
20 configuration of said connecting part is made either a circular, triangular, quadrangular, or polygonal configuration to increase the adhesive area of the composite anchor bolt with the concrete.

9. A composite anchor bolt according to claim 7, wherein a reinforcing
25 portion is formed at a joining point between said second anchor bolt and said

connecting part to compensate for a bending moment which is exerted locally on the joining point.

10. A composite anchor bolt according to claim 7, wherein of both said
5 first anchor bolt and said second anchor bolt are formed with the same or different diameters.

11. A composite anchor bolt according to claim 7, wherein said second
10 anchor bolt has a large diameter than that of said first anchor bolt, and formed with a shorter length in the embedded concrete.

12. A composite anchor bolt according to claim 7, wherein said
connecting part has an injection hole for the adhesive and an air hole.

13. A composite anchor bolt according to claim 7, wherein at least one
15 of said first anchor bolt and second anchor bolt is removably attachable to said connecting part.

14. A composite anchor bolt comprising:
20 a first anchor bolt installed projecting outside of the concrete frame;
a second anchor bolt which is eccentrically positioned to the axis of said first anchor bolt; and
a connecting part for connecting the first and the second anchor bolts,
wherein said connecting part and second anchor bolt are formed
25 together in a T-shape configuration, and said first anchor bolt is placed at the end side of the connecting part.

15. A composite anchor bolt according to claim 14, wherein at least one of said first anchor bolt and second anchor bolt is removably attachable to said connecting part.

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16. The method of installing a composite anchor bolt comprising:
preparing a composite anchor bolt which comprises a first anchor bolt projecting on the outside and a second anchor bolt positioned eccentrically to the first anchor bolt, and a planar connecting part connecting the first and
10 second anchor bolts:

removing a cylindrical or polygonal core from the reinforcement covering margin to confirm the position of the reinforcement when reinforcement is encountered in the anchor borehole position, said core corresponding to the shape of said connecting part, and surrounding the
15 borehole;

drilling a borehole for said second anchor bolt; and
jointly attaching said composite anchor bolt.

17. The method of installing a composite anchor bolt according to
20 claim 16, wherein after the second anchor bolt is set into the drilled, the adhesive is injected into an adhesive injection hole which is formed in said connecting part, air is released from an air hole which is formed in said connecting part, and said composite anchor bolt is attached.

25 18. The method of installing a composite anchor bolt according to claim 16, wherein a portion of said connecting part is projected outside from

the concrete frame, and an equipment base is placed on said connecting part and attached with said first anchor bolt.